

AUTHOR INDEX

- Abbruzzese, G. 314
Apperley, M. H. 92
Austin, M. E. 214
- Barbosa, R. A. N. 258
Barlow, P. J. 27
Bartlett, J. R. 70
Berndt, C. C. 161
Bursill, L. A. 41
Busfield, W. K. 218
- Chandra, T. 264
Chen, Z. W. 130
Coade, R. W. 124
Colás, R. 253
Cole-Clarke, P. 203
Collocott, S. J. 27
Conibeer, C. J. 224
Cser, F. 81
- DiNunzio, P. E. 314
Dou, S. X. 92
Duncan, J. L. 109
Dunne, D. P. 264
- Easterling, K. E. 92
Edward, G. H. 224
Ennis, B. C. 230
- Farmer, A. J. D. 161
Feng, B. 264
Fitzgerald, J. D. 27
- George, G. A. 203
Gibbs, R. K. 304
Gong, H. 137
Goodman, P. 33
Gregory, J. T. 130
Griesser, H. J. 192
Gross, K. A. 161
Groves, G. W. 1
Guo, S. J. 92
- Haddad, G. N. 161
Harase, J. 276, 296
Hashimoto, S. 9
Hill, A. J. 174
Hill, D. J. T. 210
Huang, R. H. E. 120
- Jikei, M. 239
Jonas, J. J. 245
Jones, W. K. 92
- Kamma, C. M. 142
Kato, J. 239
Keating, A. 33
Kemp, I. P. 270
Kroesen, F. A. 210
- Lin, K. Z. 224
Liu, H. K. 92
- Mann, S. D. 78, 147, 151
Matuo, Y. 308
Mazurek, W. 120
McQueen, H. J. 283
Mimaki, T. 9
Miura, S. 9
Monteiro, M. J. 218
Montross, C. S. 234
Morgridge, A. R. 20
Myhra, S. 33
- Nakamura, Y. 276
Nishide, H. 239
- O'Donnell, J. H. 210, 214
Ohta, K. 296
- Parker, B. A. 304
Peng, J.-L. 41
Pomery, P. J. 210
- Read, S. 304
Ryan, N. D. 283
- Sanders, G. 60
Santos, D. B. 258
Sellar, J. R. 41
Sharp, R. M. 130
Shimiga, R. 276
Shimizu, R. 296
Song, K.-H. 92
Sorell, C. C. 92
Spero, C. 115
St John, N. 203
Swain, M. V. 60
- Takahashi, N. 276, 308
Takashita, T. 296
Tetaz, J. R. 183
Thompson, J. G. 27
Truong, V.-T. 230
Tsuchida, E. 239
- Vance, E. R. 70
- White, T. J. 27, 33
Withers, R. L. 27
Woolfrey, J. L. 70
- Yamamoto, K. 239
Yamashita, M. 9
Yoshitomi, Y. 308
Yue, S. 245
- Zhang, X. M. 137
Zhang, Z. T. 109

AUTHOR INDEX

- Abbruzzese, G. 314
Apperley, M. H. 92
Austin, M. E. 214
- Barbosa, R. A. N. 258
Barlow, P. J. 27
Bartlett, J. R. 70
Berndt, C. C. 161
Bursill, L. A. 41
Busfield, W. K. 218
- Chandra, T. 264
Chen, Z. W. 130
Coade, R. W. 124
Colás, R. 253
Cole-Clarke, P. 203
Collocott, S. J. 27
Conibeer, C. J. 224
Cser, F. 81
- DiNunzio, P. E. 314
Dou, S. X. 92
Duncan, J. L. 109
Dunne, D. P. 264
- Easterling, K. E. 92
Edward, G. H. 224
Ennis, B. C. 230
- Farmer, A. J. D. 161
Feng, B. 264
Fitzgerald, J. D. 27
- George, G. A. 203
Gibbs, R. K. 304
Gong, H. 137
Goodman, P. 33
Gregory, J. T. 130
Griesser, H. J. 192
Gross, K. A. 161
Groves, G. W. 1
Guo, S. J. 92
- Haddad, G. N. 161
Harase, J. 276, 296
Hashimoto, S. 9
Hill, A. J. 174
Hill, D. J. T. 210
Huang, R. H. E. 120
- Jikei, M. 239
Jonas, J. J. 245
Jones, W. K. 92
- Kamma, C. M. 142
Kato, J. 239
Keating, A. 33
Kemp, I. P. 270
Kroesen, F. A. 210
- Lin, K. Z. 224
Liu, H. K. 92
- Mann, S. D. 78, 147, 151
Matuo, Y. 308
Mazurek, W. 120
McQueen, H. J. 283
Mimaki, T. 9
Miura, S. 9
Monteiro, M. J. 218
Montross, C. S. 234
Morgridge, A. R. 20
Myhra, S. 33
- Nakamura, Y. 276
Nishide, H. 239
- O'Donnell, J. H. 210, 214
Ohta, K. 296
- Parker, B. A. 304
Peng, J.-L. 41
Pomery, P. J. 210
- Read, S. 304
Ryan, N. D. 283
- Sanders, G. 60
Santos, D. B. 258
Sellar, J. R. 41
Sharp, R. M. 130
Shimiga, R. 276
Shimizu, R. 296
Song, K.-H. 92
Sorell, C. C. 92
Spero, C. 115
St John, N. 203
Swain, M. V. 60
- Takahashi, N. 276, 308
Takashita, T. 296
Tetaz, J. R. 183
Thompson, J. G. 27
Truong, V.-T. 230
Tsuchida, E. 239
- Vance, E. R. 70
- White, T. J. 27, 33
Withers, R. L. 27
Woolfrey, J. L. 70
- Yamamoto, K. 239
Yamashita, M. 9
Yoshitomi, Y. 308
Yue, S. 245
- Zhang, X. M. 137
Zhang, Z. T. 109

SUBJECT INDEX

- acid-leaching of alkoxide-route Synroc precursor powders 70
- ageing
 of polycarbonate, annihilation lifetime spectroscopy for 174
 physical, of unmodified and rubber-modified epoxies 230
- alkyl-substituted poly(phenylene sulfide)s, synthesis by polymerization of diphenyl disulfides 239
- alumina composites, silicon carbide-reinforced, mechanics and structure of 60
- annealed deep drawing steels, mathematical model of precipitation in 314
- annihilation lifetime spectroscopy to study ageing in polycarbonate 174
- atomic surface profile imaging of ceramic oxides 41
- barium copper oxides, structure of Cu-rich 27
- Bi-based superconductors, problems in processing 92
- bioceramics, thermal spraying for 161
- book reviews 157, 243
- carbide precipitation in annealed deep drawing steels, mathematical model of 314
- cements and mortars, TEM studies of 1
- ceramic coating, thermal spraying of HAp for 161
- ceramic oxides, atomic surface profile imaging of 41
- ceramic superconductors, problems in processing 92
- component residual life, creep-rupture testing to determine 124
- compression, incremental, yield behaviour under 20
- contaminants, effect on heat treatment of Mg-PSZ 234
- controlled rolled steel
 extraction of Nb precipitates from 304
- triphase, microstructures and mechanics of 258
- copper
 alloys, boundaries and stress corrosion cracking in 9
- oxide compounds, crystal chemistry of 33
- oxides, Cu-rich barium, structure of 27
- Cr hot rolled stainless steel, grain orientation distribution in 296
- Cr-Mo steel, oxide spalling, in creep fatigue tests 78
- creep fatigue and oxidation of 1Cr-0.5Mo steel 151
- creep strain, d.c. potential drop for monitoring 147
- creep stress of polyethylene tapes in UV 218
- critical temperatures of steel rolling 245
- cross-linking, influence on photo-oxidation of polyethylene tapes 218
- crystal chemistry of (Ln,Ce)₂CuO₄- γ compounds 33
- Cu-rich barium copper oxides, structure of 27
- cure kinetics of aerospace epoxy resin 203
- cure time and thickness of fluorosilicone sealant 120
- d.c. potential drop for creep strain monitoring 147
- diphenyl disulfides, synthesis of alkyl-substituted poly(phenylene sulfide)s by polymerization of 239
- electroactive polymer composites, metal and inorganic particulates in 183
- electron microscopy studies of cements and mortars 1
- epoxy resin
 un- and rubber-modified, physical ageing of 230
- cure kinetics of 203
- extraction of Nb carbide precipitates from HSLA steel 304
- fatigue, creep, and oxidation of 1Cr-0.5Mo steel 151
- Fe₂Al₅, interplanar spacings and lattice parameters of 130
- ferrous mixed martensites, morphology transition sequence in 137
- fluorosilicone sealant thickness and cure time 120
- gas plasma techniques for surface modification of polymers 192
- glassy polymers, annihilation lifetime spectroscopy to study ageing in 174
- grain boundaries and stress corrosion cracking in copper alloys 9
- grain orientation distribution in hot rolled Cr ferritic stainless steel 296
- grain refinement in carbon steels by thermochemical treatment 142
- grain-boundary character distribution during iron crystal transformation 276
- grinding elements in ring-and-ball mills, statistical analysis of wear in 115
- HAp, thermal spraying of, for bioceramic applications 161
- heat treatment of Mg-PSZ, effect of contaminants on 234
- high temperature deformation of low carbon steels 253
- hot rolling
 Cr ferritic steel, grain orientation distribution in 296
- critical temperatures of steel rolling 245
- high temperature deformation of low carbon steels 253
- HSLA steel
 extraction of Nb carbide precipitates from 304
- two-phase rolled, effect of Ti on $\gamma \rightarrow \alpha$ transformation in 264
- hydrophilic polymers, gas plasma techniques for surface modification of 192
- image processing for analysing microstructure and precipitate distributions 308
- incremental compression, yield behaviour under heat with wedge plastometer 20
- interplanar spacings and lattice parameters of Fe₂Al₅ and Fe₂Al₅-Zn_x 130
- iron crystal, grain-boundary character distribution during transformation 276
- lattice parameters and interplanar spacings of Fe₂Al₅ and Fe₂Al₅-Zn_x 130

- liquid crystalline polymers, chemistry and properties of 81
 (Ln, Ce)₂ CuO₄- γ compounds, crystal chemistry of 33
 low carbon steels, high temperature deformation of 253
- martensites, morphology transition sequence in 137
 mathematical model of carbide precipitation in annealed deep drawing steels 314
 mechanics and structure of reinforced alumina composites 60
 metallic flake pigments for high performance coatings and composites 183
 Mg-PSZ, effect of contaminants on heat treatment of 234
 microstructure analysis by image processing 308
 modified epoxies, physical ageing of 230
 morphology transition sequence in ferrous mixed martensites 137
 mortars and cements, TEM studies of 1
- Niobium precipitate extraction from HSLA steel 304
 nuclear waste, acid-leaching of alkoxide-route Synroc precursor powders 70
- oxidation during fatigue testing of 1Cr-0.5Mo steel 151
 oxidative polymerization
 of diphenyl disulfides, synthesis of alkyl-substituted poly(phenylene sulfide)s by 239
 oxide compounds, copper, crystal chemistry of 33
 oxide spalling in creep fatigue steel tests 78
 oxides, ceramic, atomic surface profile imaging of 41
- particulates, metal and inorganic, for high performance coatings 183
 pearlitic steel behaviour in high strain wire drawing 270
 photo-oxidation of stressed polyethylene tapes 218
 photodegradation
 of polyvinyl chloride 210
 of polyolefins 214
 physical ageing of unmodified and rubber-modified epoxies 230
 pigments, metallic flake, for high performance finishes 183
 plant life extension, creep-rupture testing of components 124
 plasma surface treatment of fluorocarbon polymers 192
 poly(vinyl alcohol) rod production by solid state processing 224
 polycarbonate, annihilation lifetime spectroscopy to study ageing in 174
 polyethylene tapes, stressed, photo-oxidation of 218
 polymer composites, electroactive, metal and inorganic particulates in 183
 polymers
 hydrophilic, gas plasma techniques for surface modification of 192
 liquid crystalline, chemistry and properties 81
 polyolefins, photodegradation of 214
 polyvinyl chloride, photodegradation of 210
 precipitates
 analysis of distributions by image processing 308
 Nb carbide, extraction from HSLA steel 304
 precipitation, carbide, in annealed deep drawing steels, mathematical model of 314
- precursor powders, alkoxide-route Synroc, acid-leaching of 70
 prosthetics, thermal spraying for bioceramic applications 161
- reinforced composites, alumina, structure and mechanics of 60
 residual life of components, creep-rupture testing to determine 124
 ring-and-ball mills, statistical analysis of wear in 115
 rolled steel
 extraction of Nb precipitates from 304
 Cr stainless, grain orientation distribution in 296
 HSLA, effect of Ti on $\gamma \rightarrow \alpha$ transformation 264
 micro-alloyed triphase, microstructures and mechanics of 258
- sealant, fluorosilicone, thickness and cure time 120
 sheet metal forming, strain measurement and modelling of 109
 solid state processing to produce poly (vinyl alcohol) rod 224
 spectroscopy, annihilation lifetime, to study ageing in polycarbonate 174
 stainless steel
 hot rolled Cr ferritic, grain orientation distribution in 296
 static softening in constant and falling temperatures 283
 statistical analysis of element wear in ring-and-ball mills 115
 steel oxide spalling, in creep fatigue tests 78
 steel rolling, critical temperatures of 245
 strain
 creep, d.c. potential drop for monitoring 147
 measurement and modelling of sheet metal forming 109
 tests, oxide spalling of steel 78
- stress
 corrosion cracking and grain boundaries in copper alloys 9
 creep, of polyethylene tapes in UV 218
- structure
 and mechanics of reinforced alumina composites 60
 of Cu-rich barium copper oxides 27
 superconductors, Bi-based cuprate, problems in processing 92
 surface cracking and oxidation during fatigue testing of 1Cr-0.5Mo steel 151
 surface profile imaging of ceramic oxides 41
 Synroc precursor powders, acid-leaching of 70
- TEM studies of cements and mortars 1
 thermal spraying of HAP for bioceramic applications 161
 thermochemical treatment for grain refinement in carbon steels 142
 Ti, effect on $\gamma \rightarrow \alpha$ transformation in HSLA rolled steels 264
 transformation
 $\gamma \rightarrow \alpha$, in rolled HSLA steels, effect of Ti on 264
 iron crystal, grain-boundary character distribution during 276

- transition sequence of mixed martensite morphology 137
- triphas steels, micro-alloyed, microstructures and mechanics of 258
- two-phase rolling
 - of HSLA steels, effect of Ti on $\gamma \rightarrow \alpha$ transformation in 264
- UV radiation
 - degradation
 - of polyvinyl chloride by 210
 - of polyolefins by 214
 - oxidation of stressed polyethylene tapes in 218
- wedge plastometer, yield behaviour under compression 20
- Weibull analysis of element wear in ring-and-ball mills 115
- wire drawing, high strain, pearlitic steel behaviour during 270
- X-ray diffraction peaks and interplanar spacings of Fe_2Al_5 130
- yield behaviour under incremental straining 20